## ISSUE SLIP STAPLE AREA (for additional cross reign, aces)

| POSITION                  | INITIALS | ID NO. | DATE      |  |  |
|---------------------------|----------|--------|-----------|--|--|
| FEE DETERMINATION         | 1400     |        | 414 W     |  |  |
| O.I.P.E. CLASSIFIER       | ()/      | . 16.9 | 125/35    |  |  |
| FORMALITY REVIEW          | ih       | 67471  | 1, 13- 00 |  |  |
| RESPONSE FORMALITY REVIEW |          |        |           |  |  |

## INDEX OF CLAIMS

| ~ | Rejected                   | N Noticitate |
|---|----------------------------|--------------|
| = | Allowed                    | I            |
| _ | (Through numeral) Canceled | A Appeal     |
| ÷ | Restricted                 | O Objected   |

|            |          |       |           |        |   |                |          | ÷        | •••      | •••••    |  | ••••         |          |
|------------|----------|-------|-----------|--------|---|----------------|----------|----------|----------|----------|--|--------------|----------|
| Cla        | im       | Γ     |           |        | _ |                |          | Dat      | e        |          |  |              | $\neg$   |
|            | Original | (10/) | 770       | 12/160 |   |                |          |          |          |          |  |              |          |
| -          | 6        | 1     |           |        | t |                | -        |          | _        | 寸        | _  | 1            |          |
| •          | 8        | ┺     |           |        | t | $\dashv$       | ᅱ        | -        |          | 一        | $\dashv$                                     | $\dashv$     | $\dashv$ |
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| - <u>1</u> | 70       | Ť     | H         | ,;     | t | 긤              | $\dashv$ | $\dashv$ | $\neg$   |          | -  | -            | ╌┤       |
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| î,         | d        | t     |           |        | t | _              | 4.       |          |          | Н        | -  | $\dashv$     | $\dashv$ |
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| ₹.         | 3        | ٠     |           | -      | † |                | • ;      |          |          | H        |  | $\dashv$     | Н        |
| 李、         | ¢        | J,    | -         | -      | 1 |                |          |          |          | ·        |  | H            | Н        |
| 香          | 5        | ١.    |           |        | _ |                | Н        |          |          | Н        |  | Н            | Н        |
| j.         | 6        |       |           | 7      | 1 | . 2            | ,        |          |          | Н        | ۲  | Н            | Н        |
| ÷.         | 117      |       | ``        |        | 1 | vi.            | 7        |          | Н        |          |  | П            |          |
| 7          | 18       | 1     | *         | 7      | 1 |                | J.       |          |          | Г        |  |              |          |
| を対する       | ¢        | ť     | **        | 7      |   |                |          |          | 1,       |          | _  |              |          |
| A.         | 扰        | *     | 4         | £.     | 7 | - <u>- (</u>   |          | 7,0      | - 7      | ,        | ıj.  |              |          |
| of h       | H        | 1     | 14        | 2      |   | <del>~</del>   | 1 1      | -        | 3        | -        | -  | -            | $\vdash$ |
| 英          | 30       | ť     | j.        |        | 7 | <u></u>        |          | . ,      | 32.      |          | -  | <del> </del> | $\vdash$ |
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| y g        | 20       | +     | ĭ         | Ħ      | • |                |          |          |          | $\vdash$ |  | $\vdash$     | t.       |
| 松松         | 27       |       | 1         |        | • | - 1            | H        |          |          | -        | -  | Г            | H        |
| <br>89     | 28       |       | 1         | #      | • |                |          | H        |          |          | <u>                                     </u> | T            | 1        |
| 7          | 29       | -     | t         | Ħ      | • |                | 1.       |          |          |          | Τ  | Π            | Τ        |
| -          |          |       | 1         | Ħ      | 1 |                |          |          | ١.       | T        | T  |              |          |
| [ثو        | 3        | _     | 1         | Ħ      | 7 |                | Γ        | 1        |          |          | Γ  | Γ            | Γ        |
| - 4        | 32       | _     | 1         | Ħ      | 1 | ٠.             | Γ        | 1        | Π        |          | Γ  |              |          |
| , T        | 3:       |       | 1         | 11     |   |                | Γ        | Γ        |          |          |  | Γ            |          |
| 20         | 34       |       | 1         | Ħ      |   | :              |          | Π        |          | Γ        |  |              |          |
|            | 3:       |       | 1         |        |   | 1              | L        |          |          |          |  |              | $\prod$  |
| ÷          | [3€      |       |           |        |   | . •            |          |          |          | L        |  | Ĺ            |          |
| -          | 3        | 7     | ٠.        |        |   |                | Ŀ        |          | $\Box$   |          | Ĺ  | L            | L        |
| ١.         | 123      | Ŋ     |           | Ш      |   |                |          |          |          |          | Ĺ  |              | L        |
|            | 39       | 9     |           |        | • |                |          | $\Box$   |          | Ĺ        | Ĺ  | L            | L        |
|            | 40       | 1     |           |        |   |                | $\Gamma$ |          |          | $L^{T}$  |  | L            |          |
| _          | P        | 5     |           | 1      |   |                | Γ        |          | Γ        |          | Γ  |              | Ι        |
|            | 42       | -     | $\exists$ | 1      | _ | Г              | T        | П        |          | Ι        |  | Ι            |          |
| _          | 4        | _     | 7         | Ħ      | Γ |                | T        | Т        | Τ        |          |  |              |          |
|            |          | 1     | 7         | T      | ٢ |                | T        | Τ        | 1        | Τ        | Τ  |              | Τ        |
|            | 4        | 5     | †         | t      | 1 | t              | T        | T        | T        | T        | T  | Ť            | Τ        |
|            | 4        | -     | į         | 1      | Ċ | Ď              | 1        | Τ        | T        | Τ        | Ι  | Γ            |          |
| Г          | 4        | =     | _         | T      | _ | Г              | Ì        | 1        | Τ        | Τ        | T  | Τ            | Π        |
| -          | 4        | _     |           | t      | _ | T              | T        | $\top$   | 1        | T        | T  | 1            | Ι        |
| Г          | 4        | -     | _         | T      |   | Γ              | T        | 1        | Τ        | Ι        | Ι  | Ι            |          |
|            | 5        | -     |           | T      |   |                | I        | L        |          | I        | $\Box$                                       | 1_           | $\Gamma$ |
| _          | _        |       |           |        | - | _              |          |          |          |          |  |              |          |

| Ci-      | 1        |               |              |                | -        | <u></u> |          |          |         |         | <del></del> - |
|----------|----------|---------------|--------------|----------------|----------|---------|----------|----------|---------|---------|---------------|
| Cla      | pm       |               | - 1          |                |          | Dat     | e        |          |         | ,       | 1             |
|          | <u>a</u> | -             |              |                |          |         |          | . !      |         |         | ĺ             |
| Final    | Original | i             |              |                | -        | 1       |          |          |         |         |               |
| 프        | _        |               | _            |                | _        | _       | _        |          | _       | L_      | ┞-            |
|          | 51       | _             | _            |                | _        |         |          |          |         | 匚       | <u> </u>      |
|          | 52       |               | _            |                |          |         |          |          | L.      |         |               |
|          | 53       | -             |              |                |          |         | i        |          |         |         | $I^-$         |
|          | 54       |               |              |                |          |         |          |          |         |         |               |
|          | 55       |               |              |                |          |         |          |          |         | Γ       | Ī             |
|          | 56       |               |              |                |          |         |          |          | Г       |         | Γ             |
|          | 57       |               |              |                |          |         |          |          | Г       | Π       | Т             |
|          | 58       | $\neg$        |              |                |          |         | Г        |          | Г       | 1       | 1             |
|          | 59       |               |              |                |          |         |          |          |         | Τ       | T             |
|          | 60       |               |              |                | П        |         | -        | -        |         | T       | 1             |
|          | 61       |               | ٠,           | F              | $\vdash$ | •       | L        | _        | Г       | 1       | †-            |
| _        | 62       |               | Н            | $\vdash$       |          | 1       | 7        |          | †       | 1       | 1             |
| _        | 63       | _             | _            | ┢              | Н        | >       | -        | -        | ┰       | †-      | +-            |
| -        | 64       |               | -            | $\vdash$       | $\vdash$ | (       |          | ╁╌       | -       | +-      | ╁             |
|          | 65       | -             | $\vdash$     | ╁╌             | $\vdash$ |         |          | ┰        | ╁       | ╈       | ╅             |
| -        | 66       |               | ┝            | ┢              | Н        |         |          | ╁╌       | ╁       | +       | ╁             |
| -        | 67       |               | ├            | ╁              | -        |         | <u>.</u> | ├        | t       | +       | +             |
| H        | 68       |               | -            | ⊢              | -4       | be      |          | ⊢        | ╀       | ╁       | ╬~            |
| H        | _        |               | <del> </del> | H              | -6       |         | F-       | ⊢        | ╀       | ╁       | +             |
| <b>!</b> | 69       |               | Ь            | ╀-             | -        | 1       | <b>-</b> | ┼        | ╄       | ╀       | ╀             |
| L        | 70       | •             | L_           | L              | =        |         | _        | L        | L       | ┸       | ┸             |
| L        | 71       | _             | L            | <u> </u>       | •        | 1       | 1_       | <u> </u> | L       | 1       | 1             |
| [        | 72       |               |              | <u> </u>       | -        |         | <u>'</u> | Ľ        |         |         |               |
| Г        | 73       |               |              |                | -        | -       |          |          |         | L       | $\perp$       |
| Г        | 74       |               | Г            | Г              |          | -       | Π        | Т        | Γ       | L       |               |
|          | 75       | Π             |              |                |          |         | Τ        | Т        | T       | T       |               |
|          | 76       |               | 1            |                |          | 5       | Τ        | T        | Τ       | Т       | T             |
|          | 77       | Г             | 1            |                |          | Ĺ       | Т        | Т        | Т       | Т       | Т             |
| $\vdash$ | 78       |               | 1            | 6              | . =      | 1       | 1        | 1        | Т       | Т       | Т             |
| 一        | 79       | _             | 1            | ┼┺             | 1        | 9-      | 1        | 1        | 1       | $\top$  | Т             |
| $\vdash$ | 80       | <del> -</del> | $\vdash$     | $t^-$          | +        | 1       | †        | $\top$   | T       | 十       | +             |
| $\vdash$ | 81       | Н             | 1            | †              | ┼┈       | T       | +        | 1        | T       | ╅       | ╅             |
| H        | 82       | -             | 十            | ╈              | 1        | +       | 1        | T        | +       | 1       | +             |
| $\vdash$ | 83       | -             | 十            | +              | ╁╴       | +       | ╁╴       | +        | †       | ╅       | +             |
| ⊢        | 84       | ┝             | ╁            | ╁              | ╁╌       | +       | +-       | ╁╴       | 十       | +       | +             |
| $\vdash$ | 85       | ┝             | ╁╌           | ╁              | ╁┈       | ╁       | ╁╴       | ╁╌       | 十       | +       | +             |
| $\vdash$ | 86       | ┝             | ╀╌           | +-             | ╁        | ╁╴      | +        | +        | 十       | +       | +             |
| $\vdash$ | 87       | ┝             | ╁            | ┿              | ╁        | +-      | ╁        | ╁        | ╁       | +       | ╅             |
| $\vdash$ | 88       | -             | +            | ╁              | ╁        | +       | +-       | +        | +       | +       | +             |
| $\vdash$ |          | $\vdash$      | ╀            | +              | ╁        | ╁       | ╁        | 十        | +       | +       | +             |
| L        | 89       | $\vdash$      | +            | +-             | +        | ╁       | +        | +        | +       | +       | +             |
| $\perp$  | 90       | +-            | ↓_           | $\bot$         | ╀        | $\bot$  | +        | ╀        | +       | +       | +             |
| L        | 91       | _             | $\perp$      | $\perp$        | $\perp$  | $\perp$ | 4_       | ┸        | 1       | 4       | 4             |
|          | 92       |               | Ι            | Ī              | 1        | L       | ┸        | 4        | $\perp$ | 4       | 4             |
| Г        | 93       | Γ             |              | $oxed{\Gamma}$ |          | Ī       | $\perp$  |          | $\perp$ |         | $\perp$       |
|          | 94       |               | 1            | Τ              | Т        | T       | T        | Ι        | Ţ       | _[      | $\Box$        |
| $\vdash$ | 95       |               | T            | $\top$         | Τ        | 1       | T        | I        | I       | $\prod$ |               |
| F        | 96       | +             | T            | 1              | 1        | Τ       | 1        | T        | T       | T       | Т             |
| $\vdash$ | 97       |               | +            | +              | $\top$   | T       | $\top$   | $\top$   | +       | +       | 7             |
| $\vdash$ | 98       | _             | +            | +              | +        | +       | +        | $\top$   | 十       | +       | +             |
| -        | 100      |               | +            | +-             | +-       | ┿       | +        | +        | +       | +       | -+            |

| •••        | Ople     | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | ,          |   |                         |   |          |              |                         |              |
|------------|----------|---|------------|---|-------------------------|---|----------|--------------|-------------------------|--------------|
| Ca         | 71       |   |            | _   | Da                      | le  |          |              |                         | $\Box$       |
| <u>ت</u> . | <b>a</b> | T                                       |            |   |                         |   |          |              |                         |              |
| 3          | 3        | i                                       |            |   |                         | Ì   |          | l            |                         | - 1          |
| ű.         | δ        | _ _                                     | <u> </u>   | L   | ↓_                      | ↓_  | ┞-       | <b>!</b>     |                         |              |
|            | 101      | -                                       | _          | _   | _                       | _   | ├-       | <del> </del> |                         |              |
|            | 102      | 4                                       | ļ          | L   | ļ                       | -   |          | -            | $\vdash$                |              |
|            | 103      |   | ↓_         | L   | ļ                       | ┞-  | ├-       | ├-           | $\vdash$                |              |
|            | 104      | ┽-                                      | ╁          | ┥   | ┨                       | ╂   | ╁        | ├            | ┥                       | $\dashv$     |
|            | 106      |   | ╁          | ├-  | ╀                       | ╀╌  | ╁╌       | ╁            | ┨                       | $\dashv$     |
| -          | 10:      | +-                                      | ╁          | -   | ╁                       | ┼-  | ╁        | 1            | Н                       | $\dashv$     |
| _          | 108      | +-                                      | +          | +-  | ╁                       | ╁╌  | ╁        | ╁            | Н                       | $\Box$       |
| -          | 109      | 十                                       | +-         | 1   | +                       | ╀   | +-       | $\vdash$     | Н                       | Ħ            |
| -          | 110      | +                                       | ╅╴         | ✝   | †                       | +   | +        | 1            | 1                       | П            |
| ┢┈         | 111      |   | $\top$     | 1   | 1                       | 十   | T        | 1            | T                       | П            |
| ┞          | 112      | $\top$                                  | 1          | T   | +                       | 1   | 1        | 1            | Τ                       |              |
| Г          | 113      | $\top$                                  | 1          | Τ   | T                       | Т   | T        | Т            | П                       |              |
|            | 114      | $\top$                                  | T          | T   | 1                       | T   | Τ        | L            |                         |              |
| Γ          | 115      |   |            | Ι   | I                       | Τ   |          | $\mathbb{L}$ |                         |              |
|            | 116      |   |            | L   | $\perp$                 | l   | $\perp$  | L            |                         | Ц            |
|            | 117      | $\Box$                                  |            | L   | Γ                       |   | $\perp$  | $\perp$      | ⊥_                      | Ш            |
|            | 118      |   | L          | L   | 1                       | 1   | ┸        | 1            | 1                       | Н            |
| L          | 119      |   | $\perp$    | L   | ┸                       | ┸   | 1        | 1            | ┸                       | $\sqcup$     |
| L          | 120      |   |            |   | 1                       | $\perp$   | $\perp$  | ⊥            | 1                       | Ш            |
|            | 121      | $\perp$                                 | $\perp$    | $\perp$   |                         | $\perp$   | $\perp$  | $\perp$      | 1                       | Ш            |
|            | 122      |   |            |   | ┵                       | $\perp$   | 1        |              | 1                       | $\sqcup$     |
| L          | 123      |   | 1          | $\perp$   | 4                       | 1   | ᆚ_       | 1            | 1_                      | $\perp$      |
| L          | 124      | 4                                       | 4-         | 1   | 4-                      | 4   | _        | 4            | $\bot$                  | 4-4          |
| L          | 125      | 4                                       | 4          | 4   |                         | 4   |          | 4-           | -                       | +            |
| L          | 126      | -                                       | $\perp$    | +   | -                       | +   |          | +            | +                       | ┦            |
| -          | 127      | -                                       | -          | +   | +                       | +   | +        | +            | ╁                       | ╁╌┨          |
| $\vdash$   | 128      | +                                       | +          | +   | +                       | +   | +        |              | ╁                       | +            |
| $\vdash$   | 130      | -+                                      | ╁          | +   | +                       | +   | +        | ╅            | +                       | +            |
| $\vdash$   | 131      | -                                       | +          | +   | +                       | +   | +        | ╅            | +                       | +            |
| H          | 132      | $\dashv$                                | +          | +   | +                       | +   | +        | +            | +                       | +            |
| $\vdash$   | 133      | -                                       | +          | ╅   | +                       | +   | +        | +            | +                       | +-           |
| +          | 134      |   | +          | +   | +                       | $\dagger$   | +        | +            | 十                       | +            |
|            | 135      |   | 十          | $\top$  | +                       | $\dashv$  | +        | +            | 7                       | 1            |
| 1-         | 136      |   | 1          | $\uparrow$  | 7                       | $\top$  | 7        | 1            |                         | T            |
| ĭ          | 137      |   |            | _   |                         | floor   |          | floor        | $oldsymbol{\mathbb{T}}$ | $oxed{oxed}$ |
|            | 138      |   | i          | $\Box$  | $\Box$                  | I   |          | I            |                         |              |
|            | 139      |   | $\perp$    | $oldsymbol{\mathbb{I}}$   | $oldsymbol{\perp}$      | I   | $\perp$  | $\perp$      | $\perp$                 | $\perp$      |
|            | 140      |   |            | $oldsymbol{ol}}}}}}}}}}}}}}}$ |                         |   | $\perp$  |              |                         |              |
|            |          |   | <u>_</u> [ | $oldsymbol{\mathbb{I}}$   | $oldsymbol{\mathbb{I}}$ |   |          | $\prod$      |                         |              |
|            | 142      | $\prod$                                 |            | $\prod$   | I                       | $oldsymbol{ol}}}}}}}}}}}}}}}$ | I        | $\perp$      | $\perp$                 |              |
|            | 143      |   |            |   |                         | $\Box$  |          |              |                         | $\perp$      |
|            | 144      |   |            | $\perp$   | $\perp$                 | _[  | 1        |              |                         | 1            |
| E          | 145      |   | Ţ          | Ţ   |                         | $\Box$  | _[       | $\bot$       | $\perp$                 | $\perp$      |
| L          | 146      |   | <u> </u>   | 4   | _                       | _   | _        | _            | 1                       | _            |
| L          | 1.17     |   | 4          | 4   | _                       | _   | $\dashv$ | 4            | _                       | $\bot$       |
| L          | 146      | 1                                       | 4          | _   | _                       | 4   | 4        | $\dashv$     | 4                       | $\bot$       |
| -          | 149      | 1                                       | -          | 4   | 4                       | $\dashv$  | $\dashv$ | -            | -+                      |              |
| L          | 150      | 1                                       |            |   |                         |   |          | _1           | L                       |              |

If more than 150 claims or 10 actions staple additional sheet here

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